

A METHOD FOR PLACEMENT OF DATA FOR VISUALIZATION OF
MULTIDIMENSIONAL DATA SETS USING MULTIPLE PIXEL BAR CHARTS

ABSTRACT OF THE DISCLOSURE

5 A method for effective placement of data for visualization of multidimensional
data sets using multiple pixel bar charts. Data is received comprising a plurality of
records, each record having a plurality of attributes. From the plurality of attributes,
a set of attributes is determined for placement of the plurality of records in a
graphically displayable array comprising a plurality of data points, each data point
10 representing one record of the plurality of records. In one embodiment, the
graphically displayable array is a pixel bar chart. The plurality of records are arranged
to construct the pixel bar chart for presenting the data in a format for detecting
relationships between the plurality of records. The present invention provides a pixel
visualization technique having a method of optimal data placement to resolve the
15 locality and ordering constraints.